

[illegible]

An alternating current generator, comprising: a disc shaped rotor and first and second ring shaped stationary cores, coaxially located with the rotor, the rotor further comprising a non-magnetic disc attached to a shaft, with a plurality of low permeability magnetic blocks fastened to the rim of the disc; the first stationary core being an electromagnet shaped so as to present magnetic poles to the rotor blocks; and, the second stationary core being an armature, further comprising: a low permeability magnetic core wound with a conductive coil, shaped so as to present poles which can be magnetically polarized to the rotor blocks.